



Les Industries Spectralux Inc.
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ISO/IEC 17025



NVLAP LAB CODE: 200899-0

Moving Mirror Goniophotometer Test Report

Standard(s): IESNA LM-15-03, IES LM-79-08

Customer ABC Technologies, 1st Avenue, City, Province, Country, 1A1-1A1

General Information		SSL Details		Driver Details	
Test Report	Sxxxxxx-R1	Description	7.9W White 4034°K SSL	Type	Commercial
Test Date	9 March 2011	Serial Number	1111	Description	20SSL-CY82
Report Date	14 March 2011	Photometric Method	Absolute	Manufacturer	HS
Ambient	24.8 °C	Lamp Lumens	-1	Catalog No.	LA1020-18-C0700
Humidity	14.7 %	Test Position	Vertical Base Up	Voltage	120.00 V
Lamp Type	SSL	Comments	15mm LED Chip	Power Factor	0.9000

Luminaire Data

General Information		Optics		Aperture (feet)	
Manufacturer	Eclairage ABCDE Inc	Reflector	Diffuse Aluminum Reflector C/W Specular Clear Anodised Ring	X	-0.2500
Name	LED Collection	Housing	Metal Sheet Ceiling Mounting	Y	-0.2500
Catalog No.	LED-8W-120V-4000K	Lens	Clear Flat Glass UV Filter lens	Z	0.0000

SKT Position: Fixed
 Lamp Stabilization Time: 30 minutes

Tested By:

Approved Signatory:

Signature:



Photometric Report: Sxxxxxxx-R1

Prepared for: Eclairage ABCDE Inc. · Test Date: 09 March 2011

Luminaire: LED Collection · Lumcat: LED-8W-120V-4000K

Coefficients of Utilization - Zonal Cavity Method

RCR	0.9				0.8				0.7				0.5			0.1			0
	RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1
0	122	122	122	122	119	119	119	119	116	116	116	116	111	111	111	102	102	102	100
1	117	114	111	109	114	112	109	107	112	109	107	106	105	104	102	98	97	97	95
2	112	107	103	100	109	105	101	98	107	103	100	97	100	98	95	95	93	91	90
3	107	101	96	92	105	99	95	91	103	98	94	91	95	92	89	91	88	86	85
4	102	95	90	86	100	94	89	85	99	93	88	85	91	87	84	87	84	82	81
5	98	90	85	81	96	89	84	80	95	88	83	80	86	82	79	83	80	78	77
6	94	86	80	76	92	85	80	76	91	84	79	76	83	78	75	80	77	74	73
7	90	82	76	72	89	81	76	72	88	80	75	72	79	75	72	77	73	71	70
8	87	78	72	69	86	77	72	69	84	77	72	69	76	71	68	74	70	68	67
9	83	75	69	66	82	74	69	66	81	74	69	65	73	68	65	71	68	65	64
10	80	72	66	63	79	71	66	63	78	71	66	63	70	66	63	69	65	62	61

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0 - 10	108	22.70	22.70
10 - 20	154	32.28	32.28
20 - 30	140	29.43	29.43
30 - 40	46	9.73	9.73
40 - 50	19	3.98	3.98
50 - 60	6	1.33	1.33
60 - 70	1	0.28	0.28
70 - 80	1	0.16	0.16
80 - 90	1	0.12	0.12
90 - 120	0	0.00	0.00
90 - 130	0	0.00	0.00
90 - 150	0	0.00	0.00
90 - 180	0	0.00	0.00
0 - 180	477	100.00	100.00

Average Luminance (Cd/m²)

Angle	0 Degree	45 Degree	90 Degree
0.0	369468	369468	369468
45.0	7635	7635	7635
55.0	2496	2496	2496
65.0	464	464	464
75.0	588	588	588
85.0	1639	1639	1639

Luminaire Luminous Flux: 477

Measured Input Wattage: 9.99 W

Total Luminaire Efficiency: N/A

Luminaire Luminous Efficacy: 47.8 lm/W

Luminaire Spacing Criterion (0 Degree): 0.3076

Luminaire Spacing Criterion (90 Degree): 0.3076

CIE Type: Direct



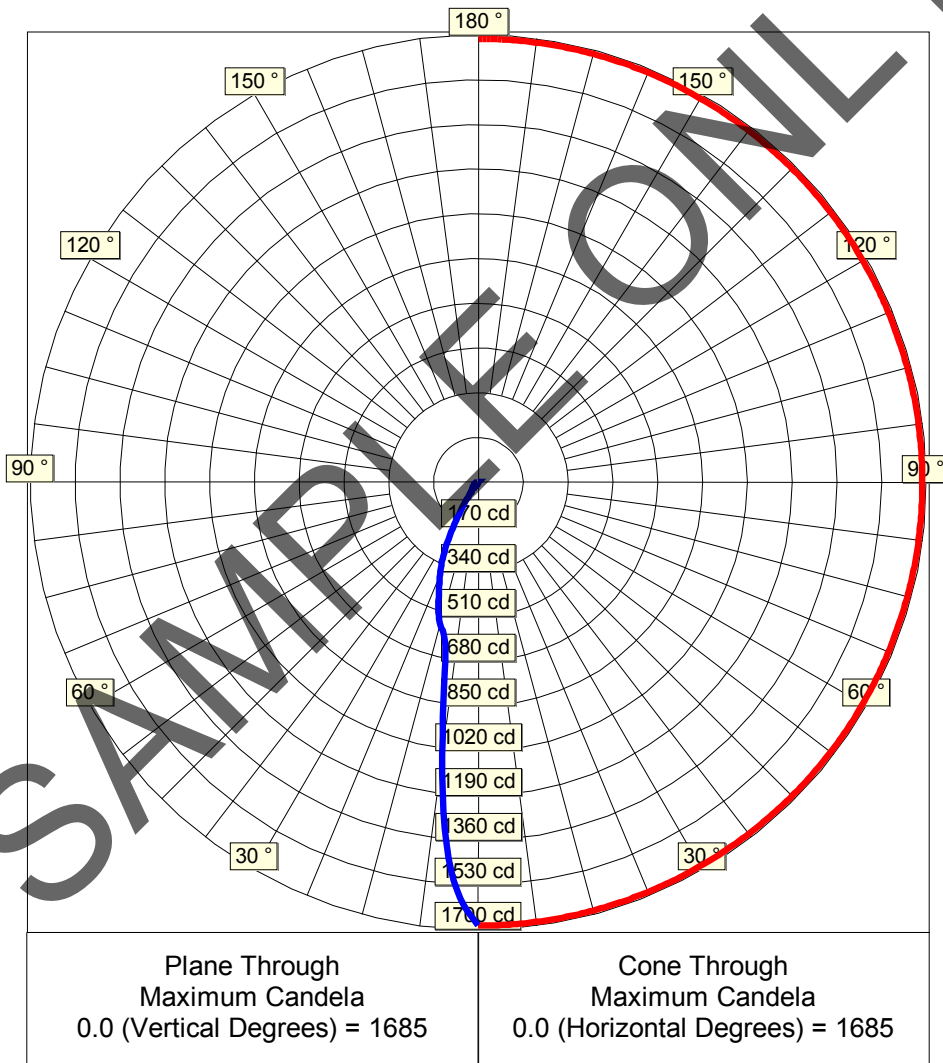
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Luminaire: LED Collection · Lumcat: LED-8W-120V-4000K

Luminous Intensity - Polar Curve for each Plane(1)

Plane Angles	Candela Values
0.0	1685
5.0	1381
10.0	732
15.0	560
20.0	436
25.0	321
30.0	168
35.0	62
40.0	37
45.0	25
50.0	13
55.0	7
60.0	3
65.0	1
70.0	1
75.0	1
80.0	1
85.0	1
90.0	0
95.0	0
100.0	0
105.0	0
110.0	0
115.0	0
120.0	0
125.0	0
130.0	0
135.0	0
140.0	0
145.0	0
150.0	0
155.0	0
160.0	0
165.0	0
170.0	0
175.0	0
180.0	0



Cone Angles	Candela Values
0.0	1685

